Inti onal Application No PL 1, 1B2004/052355

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F04B19/00 B01L3/00						
According to	International Patent Classification (IPC) or to both national classification	n and IPC				
B. FIELDS S	EARCHED					
Minimum doo IPC 7	cumentation searched (classification system followed by classification s $F04B B01L$	symbols)				
	on searched other than minimum documentation to the extent that such		rched			
Electronic da	ita base consulted during the international search (name of data base	and, where practical, search terms used)				
EPO-Int	cernal, PAJ, WPI Data					
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT					
Category °	Citation of document, with indication, where appropriate, of the relevant	ant passages	Relevant to claim No.			
Α	EP 1 271 218 A1 (LUCENT TECHNOLOGI 2 January 2003 (2003-01-02) the whole document	1-9				
A	US 6 565 727 B1 (SHENDEROV ALEXAND DAVID) 20 May 2003 (2003-05-20) the whole document	1–9				
А	WO 02/094442 A1 (INFINEON TECHNOLO THEWES, ROLAND; UNGER, EUGEN) 28 November 2002 (2002-11-28) the whole document	1-9				
А	US 2003/146100 A1 (HUANG YING ET / 7 August 2003 (2003-08-07) the whole document	1-9				
X Fur	ther documents are listed in the continuation of box C.	γ Patent family members are listed	in annex.			
	pteggrips of cited documents:		anning data			
 Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 						
"E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority, claim(s) or "L" document which may throw doubts on priority claim(s) or						
which is cited to establish the publication date of another citation or other special reason (as specified) "O" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document is combined with one or more other such documents, such combination being obvious to a person skilled						
"P" docum	east published prior to the international filling date hulf	t family				
Date of the	Date of the actual completion of the international search Date of mailing of the international search report					
	2 February 2005	11/02/2005				
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2	Authorized officer				
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Skowronski, M				

Int anal Application No
PUI/IB2004/052355

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	TICISYAIR TO CIAMITI TO.
4	US 2002/028503 A1 (ACKLEY DONALD E ET AL) 7 March 2002 (2002-03-07) the whole document	1-9
A	WO 99/54730 A1 (WALLAC OY; LEHTO, ARI; KOJOLA, HANNU; LOEVGREN, TIMO; LOENNBERG, HARRI) 28 October 1999 (1999-10-28) the whole document	1–9

Int mal Application No
PC., B2004/052355

			PC., 182004/052355		2004/052555
Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1271218	A1	02-01-2003	US CA JP	2002196558 A1 2381745 A1 2003050303 A	26-12-2002 19-12-2002 21-02-2003
 US 6565727	 B1	20-05-2003	 	2004031688 A1	19-02-2004
					12-12-2002
WO 02094442	A1	28-11-2002	DE EP	10124988 A1 1392437 A1	03-03-2004
US 2003146100	A1	07-08-2003	NONE		
US 2003146100 US 2002028503	A1 A1	07-08-2003	NO	6315953 B1 6099803 A 6287517 B1 5849486 A 5632957 A 6582660 B1 6017696 A 5605662 A 5929208 A 6129828 A 742960 B2 2763899 A 9909207 A 2320798 A1 1296525 T 1054949 A1 2003524750 T 506204 A 9942558 A1 6068818 A 6331274 B1 6225059 B1 6254827 B1 6254827 B1 6254827 B1 6726880 B1 2001026778 A1 2001026778 A1 2001026935 A1 733523 B2 5367198 A 9713991 A 2274047 A1 1268905 A 0961652 A1 2002501611 T 2000057400 A 9824544 A1 6309602 B1 6375899 B1	13-11-2001 08-08-2000 11-09-2001 15-12-1998 27-05-1997 24-06-2003 25-01-2000 25-02-1997 27-07-1999 10-10-2000 17-01-2002 06-09-1999 06-11-2001 26-08-1999 23-05-2001 29-11-2000 19-08-2003 30-06-2003 26-08-1999 30-05-2000 18-12-2001 01-05-2001 01-05-2001 01-04-2003 27-04-2004 04-10-2001 17-05-2001 17-05-2001 17-05-2001 29-06-1998 08-02-2000 11-06-1998 08-02-2000 11-06-1998 04-10-2000 08-12-1999 15-01-2002 15-09-2000 11-06-1998 30-10-2001 23-04-2002 20-11-2001 28-10-2001 28-10-2001 28-10-2001 28-10-2001 28-10-2001 28-10-2001 28-10-2002 20-11-2001
			AU BR CA CN	6968996 A 9610618 A 2233238 A1 1202929 A	17-04-1997 06-04-1999 03-04-1997 23-12-1998

Intensity on all Application No
PC | / IB2004/052355

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2002028503	A1		EP JP NZ	0852617 A1 11512605 T 318253 A	15-07-1998 02-11-1999 28-02-2000
WO 9954730	A1	28-10-1999	FI AU	980874 A 3423499 A	21-10-1999 08-11-1999